

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

January

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<i>Perchloroethylene</i>	
2	S.G. of Solvent	<i>1.619</i>	[From MSDS]
3	Solvent Density	<i>13.50</i> (lb/gallon)	[From MSDS]
4	Solvent Added	<i>0.0</i> (gallon)	[From monthly log]
5	Waste Removed	<i>0.0</i> (gallon)	[From monthly log]
6	% Solvent in waste	<i>100%</i> (%)	[From analytical report]
7	Solvent Removed in waste	<i>0.0</i> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<i>0.0</i> (gallon)	[From monthly log]
9	Total Solvent Removed	<i>0.0</i> (gallon)	[7 + 8]
10	Total Solvent Emitted	<i>0.0</i> (gallon)	[4 - 9]
11	Total Solvent Emitted	<i>0.0</i> (lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate		<i>0</i> (lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate		<i>30.6</i> (lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate		<i>0</i> (lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

February

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	<i>Perchloroethylene</i>		
2 S.G. of Solvent	<i>1.619</i>		[From MSDS]
3 Solvent Density	<i>13.50</i>	(lb/gallon)	[From MSDS]
4 Solvent Added	<i>0.0</i>	(gallon)	[From monthly log]
5 Waste Removed	<i>0.0</i>	(gallon)	[From monthly log]
6 % Solvent in waste	<i>100%</i>	(%)	[From analytical report]
7 Solvent Removed in waste	<i>0.0</i>	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	<i>0.0</i>	(gallon)	[From monthly log]
9 Total Solvent Removed	<i>0.0</i>	(gallon)	[7 + 8]
10 Total Solvent Emitted	<i>0.0</i>	(gallon)	[4 - 9]
11 Total Solvent Emitted	<i>0.0</i>	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	<i>0</i>	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	<i>30.6</i>	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	<i>0</i>	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

March

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	<i>Perchloroethylene</i>		
2 S.G. of Solvent	<i>1.619</i>		[From MSDS]
3 Solvent Density	<i>13.50</i>	(lb/gallon)	[From MSDS]
4 Solvent Added	<i>0.0</i>	(gallon)	[From monthly log]
5 Waste Removed	<i>0.0</i>	(gallon)	[From monthly log]
6 % Solvent in waste	<i>100%</i>	(%)	[From analytical report]
7 Solvent Removed in waste	<i>0.0</i>	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	<i>0.0</i>	(gallon)	[From monthly log]
9 Total Solvent Removed	<i>0.0</i>	(gallon)	[7 + 8]
10 Total Solvent Emitted	<i>0.0</i>	(gallon)	[4 - 9]
11 Total Solvent Emitted	<i>0.0</i>	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	<i>0</i>	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	<i>30.6</i>	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	<i>0</i>	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

April

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information

1 Type Solvent Used	<i>Perchloroethylene</i>	
2 S.G. of Solvent	<i>1.619</i>	
3 Solvent Density	<i>13.50</i>	(lb/gallon)
4 Solvent Added	<i>35.0</i>	(gallon)
5 Waste Removed	<i>30.0</i>	(gallon)
6 % Solvent in waste	<i>100%</i>	(%)
7 Solvent Removed in waste	<i>30.0</i>	(gallon)
8 Pure Solvent Removed	<i>0.0</i>	(gallon)
9 Total Solvent Removed	<i>30.0</i>	(gallon)
10 Total Solvent Emitted	<i>5.0</i>	(gallon)
11 Total Solvent Emitted	<i>67.5</i>	(lbs)

Formulas / Notes

[From MSDS]

[From MSDS]

[From monthly log]

[From monthly log]

[From analytical report]

[gal. Waste] * [% solvent]

[From monthly log]

[7 + 8]

[4 - 9]

[10 * 3]

Monthly Emissions

Average Solvent Emission Rate	<i>15.4</i>	(lb/month/ft ² s.a.)
Average Solvent Allowable Rate	<i>30.6</i>	(lb/month/ft ² s.a.)

[11 / (tank surface area)]

From 40 CFR 63, Subpart T

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent Emission Rate	<i>5.1</i>	(lb/month/ft ² s.a.)
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[Average of three previous

months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name: **Morgan Matroc, Inc.**
 Unit Name: **Finishing Equipment 6342**
 Company I.D.: **VPD-24**

EPA Facility ID: **1318931627**

Ohio EPA I.D.: **P019**

Month: **May**

Year: **2000**

Unit Information

Tank Length (inside) **2.92** (feet)
 Tank Width (inside) **1.50** (feet)
 Tank Surface Area (s.a.) **4.38** (feet)²

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	Perchloroethylene	
2	S.G. of Solvent	1.619	[From MSDS]
3	Solvent Density	13.50 (lb/gallon)	[From MSDS]
4	Solvent Added	0.0 (gallon)	[From monthly log]
5	Waste Removed	0.0 (gallon)	[From monthly log]
6	% Solvent in waste	100% (%)	[From analytical report]
7	Solvent Removed in waste	0.0 (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0 (gallon)	[From monthly log]
9	Total Solvent Removed	0.0 (gallon)	[7 + 8]
10	Total Solvent Emitted	0.0 (gallon)	[4 - 9]
11	Total Solvent Emitted	0.0 (lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate		0 (lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate		30.6 (lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate		5.1 (lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:	Morgan Matroc, Inc.	EPA Facility ID:	1318931627
Unit Name:	Finishing Equipment 6342		
Company I.D.:	VPD-24	Ohio EPA I.D.:	P019
Month:	June	Year:	2000

Unit Information

Tank Length (inside)	2.92	(feet)
Tank Width (inside)	1.50	(feet)
Tank Surface Area (s.a.)	4.38	(feet) ²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	Perchloroethylene		
2 S.G. of Solvent	1.619		[From MSDS]
3 Solvent Density	13.50	(lb/gallon)	[From MSDS]
4 Solvent Added	8.0	(gallon)	[From monthly log]
5 Waste Removed	0.0	(gallon)	[From monthly log]
6 % Solvent in waste	100%	(%)	[From analytical report]
7 Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent Removed	0.0	(gallon)	[7 + 8]
10 Total Solvent Emitted	8.0	(gallon)	[4 - 9]
11 Total Solvent Emitted	108.0	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	24.7	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	13.4	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

July

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	<i>Perchloroethylene</i>		
2 S.G. of Solvent	<i>1.619</i>		[From MSDS]
3 Solvent Density	<i>13.50</i>	(lb/gallon)	[From MSDS]
4 Solvent Added	<i>20.0</i>	(gallon)	[From monthly log]
5 Waste Removed	<i>20.0</i>	(gallon)	[From monthly log]
6 % Solvent in waste	<i>100%</i>	(%)	[From analytical report]
7 Solvent Removed in waste	<i>20.0</i>	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	<i>0.0</i>	(gallon)	[From monthly log]
9 Total Solvent Removed	<i>20.0</i>	(gallon)	[7 + 8]
10 Total Solvent Emitted	<i>0.0</i>	(gallon)	[4 - 9]
11 Total Solvent Emitted	<i>0.0</i>	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	<i>0.0</i>	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	<i>30.6</i>	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	<i>8.2</i>	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

August

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	<i>Perchloroethylene</i>		
2 S.G. of Solvent	<i>1.619</i>		[From MSDS]
3 Solvent Density	<i>13.50</i>	(lb/gallon)	[From MSDS]
4 Solvent Added	<i>0.0</i>	(gallon)	[From monthly log]
5 Waste Removed	<i>0.0</i>	(gallon)	[From monthly log]
6 % Solvent in waste	<i>100%</i>	(%)	[From analytical report]
7 Solvent Removed in waste	<i>0.0</i>	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	<i>0.0</i>	(gallon)	[From monthly log]
9 Total Solvent Removed	<i>0.0</i>	(gallon)	[7 + 8]
10 Total Solvent Emitted	<i>0.0</i>	(gallon)	[4 - 9]
11 Total Solvent Emitted	<i>0.0</i>	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	<i>0</i>	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	<i>30.6</i>	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	<i>8.2</i>	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

September

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1	Type Solvent Used	<i>Perchloroethylene</i>	
2	S.G. of Solvent	<i>1.619</i>	[From MSDS]
3	Solvent Density	<i>13.50</i> (lb/gallon)	[From MSDS]
4	Solvent Added	<i>27.0</i> (gallon)	[From monthly log]
5	Waste Removed	<i>27.0</i> (gallon)	[From monthly log]
6	% Solvent in waste	<i>100%</i> (%)	[From analytical report]
7	Solvent Removed in waste	<i>27.0</i> (gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	<i>0.0</i> (gallon)	[From monthly log]
9	Total Solvent Removed	<i>27.0</i> (gallon)	[7 + 8]
10	Total Solvent Emitted	<i>0.0</i> (gallon)	[4 - 9]
11	Total Solvent Emitted	<i>0.0</i> (lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate		<i>0</i> (lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate		<i>30.6</i> (lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate		<i>0.0</i> (lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:	Morgan Matroc, Inc.	EPA Facility ID:	1318931627
Unit Name:	Finishing Equipment 6342		
Company I.D.:	VPD-24	Ohio EPA I.D.:	P019
Month:	October	Year:	2000

Unit Information

Tank Length (inside)	2.92	(feet)
Tank Width (inside)	1.50	(feet)
Tank Surface Area (s.a.)	4.38	(feet) ²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	Perchloroethylene		
2 S.G. of Solvent	1.619		[From MSDS]
3 Solvent Density	13.50	(lb/gallon)	[From MSDS]
4 Solvent Added	25.0	(gallon)	[From monthly log]
5 Waste Removed	25.0	(gallon)	[From monthly log]
6 % Solvent in waste	100%	(%)	[From analytical report]
7 Solvent Removed in waste	25.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent Removed	25.0	(gallon)	[7 + 8]
10 Total Solvent Emitted	0.0	(gallon)	[4 + 9]
11 Total Solvent Emitted	0.0	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	0	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	0	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:	Morgan Matroc, Inc.	EPA Facility ID:	1318931627
Unit Name:	Finishing Equipment 6342		
Company I.D.:	VPD-24	Ohio EPA I.D.:	P019
Month:	November	Year:	2000

Unit Information

Tank Length (inside)	2.92	(feet)
Tank Width (inside)	1.50	(feet)
Tank Surface Area (s.a.)	4.38	(feet) ²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	Perchloroethylene		
2 S.G. of Solvent	1.619		[From MSDS]
3 Solvent Density	13.50	(lb/gallon)	[From MSDS]
4 Solvent Added	4.0	(gallon)	[From monthly log]
5 Waste Removed	0.0	(gallon)	[From monthly log]
6 % Solvent in waste	100%	(%)	[From analytical report]
7 Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9 Total Solvent Removed	0.0	(gallon)	[7 + 8]
10 Total Solvent Emitted	4.0	(gallon)	[4 + 9]
11 Total Solvent Emitted	54.0	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	12.35	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	4.12	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Monthly Halogenated Solvent Emissions Calculations Worksheet

Facility Name:

Morgan Matroc, Inc.

EPA Facility ID:

1318931627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

December

Year:

2000

Unit Information

Tank Length (inside)

2.92

(feet)

Tank Width (inside)

1.50

(feet)

Tank Surface Area (s.a.)

4.38

(feet)²

Solvent Usage Information			Formulas / Notes
1 Type Solvent Used	<i>Perchloroethylene</i>		
2 S.G. of Solvent	<i>1.619</i>		[From MSDS]
3 Solvent Density	<i>13.50</i>	(lb/gallon)	[From MSDS]
4 Solvent Added	<i>4.0</i>	(gallon)	[From monthly log]
5 Waste Removed	<i>0.0</i>	(gallon)	[From monthly log]
6 % Solvent in waste	<i>100%</i>	(%)	[From analytical report]
7 Solvent Removed in waste	<i>0.0</i>	(gallon)	[gal. Waste] * [% solvent]
8 Pure Solvent Removed	<i>0.0</i>	(gallon)	[From monthly log]
9 Total Solvent Removed	<i>0.0</i>	(gallon)	[7 + 8]
10 Total Solvent Emitted	<i>4.0</i>	(gallon)	[4 + 9]
11 Total Solvent Emitted	<i>54.0</i>	(lbs)	[10 * 3]
Monthly Emissions			
Average Solvent Emission Rate	<i>12.3</i>	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate	<i>30.6</i>	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
Note: If ave. solvent emission rate is < 30.6 lb/month/ft ² , NO action is required. If ave. solvent emission rate is > 30.6 lb/month/ft ² , Note in quarterly exceedance report.			
Three Month Rolling Average			
3 - Month Average Solvent Emission Rate	<i>8.2</i>	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]